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We are showing a magnificent line of late Fall styles for dress and street wear, in all the different shapes and finishes. There is a style for every occasion from the dainty patent with hand-turned sole for dress, to the heavy welted sole, "mannish" for street wear.

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Mining News

REDUCE TIMBER DECAY.

Treatment Said to Increase Life of Props Ten Years.

Mine operators of the country, it is said, can save fully \$12,000,000 a year by treating the timber used underground for props and decreasing the annual replacement necessary by decay from one-third of the total amount in use to one-tenth of the same amount. In speaking of the saving in mine timber through preservative treatment, W. F. Sherfess, in a new bulletin, issued by the United States forest service, says:

"The estimated life of an untreated mine prop is approximately three years, giving a total life for the treated props of thirteen years. All of the mine props, both round and square, in use in the United States, contain approximately 500 million cubic feet. About forty per cent of this quantity, or 200 million cubic feet, can be advantageously treated. If no preservative methods were used the annual replacement of this forty per cent, would amount to one-third of 200 million, or approximately sixty-seven million cubic feet of timber."

"If they were all given a proper preservative treatment the annual replacement would be reduced to one-thirtieth of 200 million, or approximately 6,666,666 cubic feet. Hence, by a proper preservative treatment of all mine timbers which can be treated advantageously, an annual saving would result of approximately 51,333,333 cubic feet, equivalent to 210,200,000 feet, board measure, or more than half of the present annual cut."

TO DEVELOP CLIFF.

Tamarack Plans to Organize New Company to Direct Work.

The Tamarack Mining company says in the circular to the stockholders calling a special meeting Dec. 14 at 11 a.m.: "Your directors are of the opinion that steps should be taken immediately to develop the Cliff lands belonging to your company. Through these lands runs for a distance of about 11,000 feet the Kearsarge lode, which is being profitably mined on several properties to the south of the Cliff lands. They are also of the opinion that it is highly desirable that the floating debt which the company has been carrying for some years be extinguished, and that the interest charges incident thereto be ended."

"To provide for the above purposes, your directors recommend: That a new company to take over the Cliff lands be organized with the same management as that of the Tamarack Mining company, having a capital of 100,000 shares (par value \$25), all the shares to be paid up to the extent of \$13 per share by the lands and cash mentioned below, and to be assembled to the extent of \$12 per share; that the Tamarack Mining company convey to this new company \$100,000 cash; that

HEAT WITHOUT FLAME

Luminous Radiator
Simple, Safe, Attractive, No Liquid, No Gas, No Odor, Ideal for the Bathroom.

Houghton County Electric Light Co.
Calumet, North 104, Houghton, So. 399, Lake Linden 15



WE HAVE A LARGE ASSORTMENT OF PIPES IN WOOD AND MEERSCHAUM, ALL STYLES AND SHAPES, TO BE SOLD AT A REDUCED PRICE FROM NOW UNTIL AFTER THE HOLIDAYS, A REDUCTION OF 20 PER CENT DISCOUNT WILL BE GIVEN. CALL IN, WE HAVE THE GOODS TO SELECT FROM.

BEN BLUM'S
Cor. Fifth and Pine Sts.

He expressed himself as being very much pleased with the manner in which the development of the mine has been conducted during his absence of several months in Houghton, Mich. The plan of exploration that has been followed out at the Superior and Boston mine has included as its main features shaft sinking, crosscutting and drifting. The churn drill method of prospecting that is being used largely in the Miami district has not been resorted to by the various companies operating near Copper Hill for the reason that the ores in that district, so far as is known, are high grade and occur in ridges, thus presenting an entirely different mining proposition from the big masses of low grade sulphide ores that have given Miami district its reputation as a mineralized area. Churn drill work in a country having its copper deposits in ledges is not, as a rule, practicable. In the Copper Hill district development by means of shafts and lateral workings therefrom, has given excellent results to those who have adhered to it and the most notable instance of such success in development has been afforded by the operations on the property of the Superior and Boston Copper company.

Concerning the work at the Superior and Boston, President Rice made the following statement yesterday: "For the past six months our efforts have been directed toward placing the Superior and Boston in a position to produce ore and at the same time we have not, I think, allowed our zeal in this direction to blind us to the necessity of doing our development work thoroughly and with a view to the future. Having proven in the Great Eastern mine the existence of a large body of high grade ore, two things were necessary to do, namely, to sink a large shaft at the most advantageous point possible for the purpose of mining this ore economically as well as for the purpose of exploring the Old Dominion vein, and second, to properly equip this shaft with a permanent surface plant, and to this end the McGaw—a large three compartment shaft—was started and has now reached the 600 foot level and during the summer a surface plant and equipment capable of high duty has been installed and for a month or more, has been in successful operation. It is efficient and entirely satisfactory in every particular and our construction work is now practically finished, leaving the management free now to prosecute underground work vigorously. Ore bins will be erected at the McGaw shaft, a new side track laid, and crosscutting to the Great Eastern ore body started, and at the same time drifting east from the mine in the Great Eastern mine at the 600 level will also go forward on the vein and ore will again be coming to the surface through the McGaw shaft. The driving of this drift will serve to make an earlier connection with the proposed crosscut, and will greatly facilitate sloping and an increased production, and at the same time explore the ore body farther east than was done in the upper levels, and there is every evidence that this ore body will take on larger proportions and reveal a higher grade of ore and more of it than in the levels above, with the possibility of another lense of ore farther east, which is the opinion expressed by several prominent engineers who have examined the Superior and Boston recently. In the Gardner, the work has been purely of an exploratory nature. As you know, the early development work at this south end of the property consisted of driving the Black Oxide tunnel along the vein and having proven the existence of a good ore body in the tunnel, the Gardner shaft was started and sunk to a depth of 450 feet below the tunnel level, from the bottom of which drifting and crosscutting has been in progress for some months. In the west drift, which is being driven rapidly toward the ore body, the vein was recently crosscut and found to be over 30 feet wide, with the ledge matter very rich in manganese and iron and showing some slight copper stains. With a lead as persistent and strong as this Buckeye vein is, with a known ore body proven 500 feet above, and with conditions as promising as we look for the development of a good ore body on this level, and expect the Gardner to become a producer."

Asked regarding the financial status of the company, Mr. Rice said: "We did our financing last spring, and have a large treasury balance, with our heavy construction account practically closed, our property entirely paid for and no indebtedness."

PAINE, WEBBER & CO'S GOSSIP

The copper metal market is nervous and extremely sensitive with sellers very shy, caused by the combination talk and the developments that now indicate that the prospect of this combination has been greatly improved in the past few days and that it looks now very much like ending in a success. Most of the Lake producers are out of the market, but outside sellers quote copper at from 13 1/2 to 14 cents, according to the time and place of delivery. Buyers are thoroughly frightened and for the past few days have been accepting all that was offered and as a result this has been the most active week in many months.

Butte Coalition is cutting a station at the 2,200-foot level of Rarus and the 2,000-foot level of Tramway. Both are about half completed. When finished sinking will be resumed in both shafts. Rarus was bottomed at the 2,300-foot level and Tramway at the 2,300-foot level.

The operations in the Warrior mine have been most satisfactory, taken as a whole, and the company is wholly satisfied with the outcome of the work on the property since it was acquired on October 1. Two church drills have been ordered and are expected to be on the ground in about two weeks.

SUPERIOR AND BOSTON.

President Rice Well Pleased With Conditions at the Property.

Globe, Ariz., Nov. 14.—President William G. Rice of the Superior and Boston Copper company has been in Globe for several days and during that time he has been engaged in looking over conditions at the mine, which is located in the Copper Hill district.

traders feared that it would put a stop to the present copper merger and all the stocks which were to be included were heavily sold. The balance of the list was weak in sympathy and stop orders were caught all along the list. Around noon time, however, it was realized that the buying was better than the selling and the shorts rushed to cover. The Boston market was more active than it has been for two years. Almost every copper stock was traded in and some showed sensational advances. We think the shakeout this morning has strengthened the position of the market and after another day of uncertainty the bull market will be continued.—Paine, Webber & Co.

Gay & Sturgis says: Boston, Nov. 22.—The market opened very raggedly and excited and continued so all day, fully reflecting the perplexity of the public mind over the possible effect of Standard Oil decision on the proposed copper merger. Good opening seemed to be that it would at least halt the proceedings. It is very evident that modern business methods and the Sherman anti-trust law are incompatible and new exchange with all the unsettlement that means is inevitable this winter. Good support was given both copper stocks and the London metal market and it looked at the close very much as though the early buyers to support prices were getting rid of what they were obliged to take after confidence was somewhat restored. A continuation of broad market movements looks certain with the tendency upward with metal prices. The United Metals Selling company is reported to have sold 120,000 pounds this month. Lake Copper was far and away the feature of the Boston market. A true realization of the value of this wonderful deposit is steadily growing for the east.—L. J. Sturgis.

(Paine, Webber & Co.)

Amal.	91 1/2	91 1/2
Adventure	5 1/2	6 1/4
Alibon	5 1/2	5 1/2
Arcadian	4 1/2	5 1/4
Atlantic	11 1/2	12
Atl. Com.	45 1/2	45 1/2
Boston Cor.	22 1/2	22 1/4
Boston Cons.	17 1/2	18 1/4
C. & A.	107	107 1/2
C. & H.	67 1/2	68
Centennial	28	29
Coalition	31 1/2	31 1/2
Copper Range	83 1/2	84 1/2
Daly West	9	10
East Butte	12 1/2	12 1/2
Franklin	14 1/2	17
Giroux	11 1/2	11 1/2
Granby	103 1/2	104
Greene Can.	13 1/2	13 1/2
Hancock	19 1/2	19 1/2
Helvetia	6 1/2	7
Isle Royale	26 1/2	27
Keweenaw	27 1/2	28 1/2
Lake	48 1/2	48 1/2
La Salle	16 1/2	16 1/2
Mass.	6 1/2	6 1/2
Miami	17 1/2	17 1/2
Michigan	6 1/2	7
Mohawk	62	62 1/2
Nev. Cons.	28 1/2	28 1/2
Nipissing	10 1/2	10 1/2
North Butte	65	65 1/2
North Lake	8 1/2	8 1/2
Ojibway	7 1/2	8 1/2
Old Dom.	54 1/2	55 1/2
Osceola	156	156
Parrot	31	31 1/2
Quincy	86 1/2	87 1/2
Shannon	16 1/2	16 1/2
Sup. & Boston	14 1/2	15
Sup. & Pitts.	16 1/2	17
Sup. Copper	64 1/2	65 1/2
Tamarack	67	68
Trinity	11 1/2	12
Utah Copper	60 1/2	61 1/2
U. S. Mining	55 1/2	56
Utah Cons.	47	47 1/2
Victoria	3 1/2	4
Winona	7 1/2	7 1/2
Wyandott	7 1/2	7 1/2
Wolverine	150	152

NEW YORK STOCKS.

Gay & Sturgis furnish the following New York quotations:

	Open	Close
Amal.	92 1/2	92
Amcon	52 1/2	51 1/2
Leominster	62 1/2	61 1/2
Snell	101 1/2	101 1/2
Sugar	124 1/2	124 1/2
Atchafalaya	119 1/2	119 1/2
B. & O.	116 1/2	115 1/2
B. R. T.	77 1/2	77 1/2
Colo. Fuel	50 1/2	49 1/2
Erie	33 1/2	32 1/2
Am. Car & Ferry	74 1/2	74
M. K. & T.	48 1/2	48 1/2
Mo. Pacific	70 1/2	69 1/2
N. Y. Central	132	131 1/2
Cons. Gas	147	145 1/2
Northern Pacific	144 1/2	143 1/2
Pennsylvania	132 1/2	132 1/2
C. & O.	86 1/2	87
Reading	170	168 1/2
Rock Island	39 1/2	39 1/2
Wabash pfd.	52 1/2	52 1/2
St. Paul	155	155
Southern Pacific	128 1/2	127 1/2
Western Union	79	77 1/2
U. S. Steel	88	88 1/2
Steel pfd.	125 1/2	125
Canadian Pacific	177	176 1/2
Union Pacific	302 1/2	301

UNLISTED STOCKS.

J. A. Minnear & Co. say today: Under the leadership of Hancock, the curbs have been active and strong all day with the exception of Superior & Pittsburg, Greene Cananea, Giroux & those issues that have been talked of most freely in the new copper combination. It may be this Standard Oil decision will hurt the plans of the new copper trust and it was evident the decision wasn't very well taken by the action of the issues which have been most generally mentioned as part of the new combination. The market has been buoyant and a little too erratic to be good. We advise extreme caution and really believe a little reaction is due. Santa Rosalia has been well bought. Lake is practically closed and is a good thing to leave alone. If buying anything buy the

divided stocks.

(J. A. Minnear & Co.)		
Arizona & Michigan	220	230
Almbeck	50	75
Black Mountain	25	30
Butte & London	9 1/2	10 1/2
Butte Balak	16	16
Chemung	1 1/2	1 1/2
Col. Cons.	1 1/2	1 1/2
Chief Cons.	1 1/2	1 1/2
Cumberland Ely	8 1/2	9 1/2
China	8 1/2	9
Calumet Corbin	50	50
Calumet & Montana	1 1/2	1 1/2
Corbin Copper	7 1/2	7 1/2
Cactus	3	3 1/2
Davis Daly	6 1/2	6 1/2
Dean Arizona	4 1/2	4 1/2
Ely Central	1 1/2	1 1/2
Goldfield Cons.	8 1/2	8 1/2
Gila	8 1/2	9
Giroux	11 1/2	11 1/2
Globe Cons.	2 1/2	2 1/2
Homestake	75	82
Hermosa	50	50
Helvetia	7	7 1/2
Hancock	19	20
Indiana	7 1/2	7 1/2
Inspiration	7 1/2	7 1/2
Keweenaw	3 1/2	3 1/2
La Rose	4 1/2	4 1/2
Lake Copper	48	48 1/2
L. S. & A.	1 1/2	1 1/2
Miami	17 1/2	18
Montana Clinton	10 1/2	10 1/2
Nipissing	10 1/2	10 1/2
North Lake	8 1/2	8 1/2
Ojibway	8	8 1/2
Oneco	1 1/2	2
Itay Cons.	22	22 1/2
Itay Central	2 1/2	2 1/2
Sierra	5 1/2	5 1/2
Shattuck	22	23
Santa Rosalia	25	25
Superior & Globe	75	80
Superior & Boston	14 1/2	14 1/2
Superior & Pittsburg	16 1/2	17
So. Columbus	10	10
Tonopah	6 1/2	6 1/2
Wolverine & Arizona	50	55
Yuma	13 1/2	14

GAY & STURGIS GOSSIP.

Calumet, Mich., Nov. 22.—Hancock Consolidated and Lake Copper were the features of the Boston market today. The former selling up to 20 1/2 on report of striking the lode in the vertical shaft on Saturday. The latter advanced to 49 on report of increased richness on the fifth level. Most of the stocks opened fractionally lower but after the first hour there was a decided change for the better.

There was an enormous volume of business in the New York market the sales for the first hour amounting to over 600,000 shares with fractional changes.

In the curb list Santa Rosalia was very firm at 25 1/2 bid with very little stock offered. Expect to hear some good news on this property in a few days. Chief was also in demand around 1 1/2. The balance of the list was very quiet.

New York, Nov. 22.—It is understood that more than a million shares of the stock of the Cumberland Ely Copper Co. out of a total of 1,300,000 shares have been turned in for exchange for stock of the Nevada Cons. Copper Co. As the Nevada Cons. which is controlled by the Guggenheim interests will be included in the copper merger, it also will carry with it the Cumberland Ely property which can produce 20 or 25 million pounds of copper a year. While nothing definite yet has been decided upon, it is stated in well-informed quarters that the copper refineries which are controlled by the Guggenheim interests will also be included in the merger.—Dow Jones.

New York, Nov. 22.—The Standard Oil decision gave the street a pretty bad jolt on Saturday but over Sunday the general opinion seems to have developed that it will not be such a tremendously serious thing after all, at least not for the immediate present. Principally bullish talk still continues on the copper shares and I believe it is in these shares that we are to have most of the speculation for some time to come, but as I said last week this copper consolidation will not be announced as soon as has been generally expected, and I cannot help feeling that it is good judgment to take some profits.

Money conditions last week were easier, and I believe the corner has been turned in the money situation. The political situation in England is bad, and our foreign advisers are far from bullish. Early London prices this morning have come over down, and sentiment here among the trading element is sufficiently mixed to cause considerable irregularity in the market.—J. W. P.

New York, Nov. 22.—American stocks in London heavy 1/4 to 1/2 below parity. Standard Oil decision in full published, and is of the most sweeping character with possibility of far-reaching effects.

J. J. Astor's yacht Normahal safe at San Juan Nov. 15. Isthmian canal commission advances probable cost estimate to \$375,201,000. British Budget comes up today in house of lords and rejection expected on Thursday. London settlement begins on Wednesday. Special meeting of Buffalo, Rochester & Pittsburgh today. Cotton ginners report today at 10 a. m.

Iowa Central report for 1909 disappointing showing unprogressive conditions. Wells-Fargo "Melon" means \$4,500,000 to Southern Pacific treasury. Bank statement shows no important changes in actual condition. National City Bank shows largest decrease in loans and cash. Twelve Industrials declined .51 per cent. Twenty active railroads declined .35. —D. J. & Co.

The Unsuccessful Man.
Many a man is so lacking in the essentials of success that he isn't even a successful liar.—New York Times.

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THE SWING IN COPPERS

The upward movement in copper stocks has received the momentum which promises to swing prices to a much higher level. Those issues which are connected with the proposed copper combine are in best demand. They will undoubtedly be market leaders. For this reason they offer greatest opportunities from a speculative standpoint. Copper is reported to have sold as high as fourteen cents within the past few days. Further sales at this price will establish the market and give copper shares a greater impetus upwards. Watch Osceola, Hancock, Superior and Boston, China, Gila, Ray Consolidated, Ojibway, Mohawk and Utah. They look like winners. Information on these issues as well as any others, we will be pleased to give you. Call, write or wire.

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Reliable Information from Competent Mining Engineers and Correspondents in the Various Mining Camps at the Disposal of Our Clients.

Determined to Succeed.
Napoleon had conquered Europe in imagination before he saw Jona or Austerlitz. When only ten years of age, from the military school at Brienne, he wrote to his mother in Corsica: "With Homer in my pocket, and my sword by my side, I have to carve my way through the world."

Workhouse as Hotel.
A novel incident was reported at the last meeting of the Amersham board of guardians. The master said he had accommodated a traveler with a bed and breakfast in the workhouse, as the man could not obtain lodgings for the night in the town. He charged the wayfarer one shilling.—London Daily Mail.

Successful Dry Farming.
Grit and hard work are the secrets of successful dry farming. Cultivate the intensive plan; use just so much acreage as you feel sure you will be able to cultivate carefully and constantly; plow deep and frequently, bringing from below and mixing well with the surface sandy loam the heavier subsoil which underlies all this region.

Exceptional Low Prices.
With the season just begun, all trimmed hats will sell at half price. Your choice of an assortment of 500 hats. M. B. Leary at Vertin Bros.

Nov. 20, 27, Dec. 1.
NORTH BUTTE MINING COMPANY.
Dividend No. 16.
A quarterly dividend of \$400,000.00, being \$1 per share, on the outstanding stock of the company has been declared out of the surplus earnings, payable on December 23rd, 1909, to the stockholders of record at the close of business on December 9th, 1909. The transfer books will be closed from December 10th, 1909, to December 23rd, 1909, both inclusive.
C. A. DUNCAN, Treasurer.
Duluth, Minn., November 15th, 1909.

Scheuermann Brewery.

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